C. B. Patel Computer College and J. N. M. P. Science College,

Bharthana, Surat

Practical Assignment – 2

306 : Object oriented Programming & Data Structures

1. Write a menu driven program using C++ to implement following operations on stack of 10 integers.
   a. PUSH
   b. POP
   c. PEEP
   d. DISPLAY
2. Write a C++ program that converts an infix expression to a postfix expression.
3. Write a C++ program that converts an infix expression to a prefix expression.
4. Write a C++ program that generates Fibonacci series recursively.
5. Write a C++ program that performs following operations on simple queue of 10 integers.
   a. INSERT
   b. DELETE
   c. DISPLAY
6. Write a C++ program that performs following operations on a circular queue of 10 integers.
   a. INSERT
   b. DELETE
   c. DISPLAY
7. Write a program that implements all the operations of (Double Ended Queue) Deque.
8. Write a program that implements all the operations of Input Restricted Deque.
9. Write a program that implements all the operations of Output Restricted Deque.